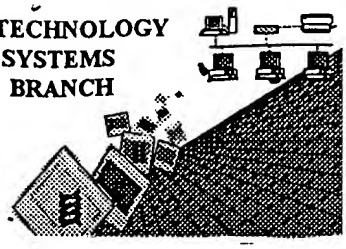
erun PCTOG
#7

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,344A
Source: OIPE
Date Processed by STIC: 7-22-02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED | SUGGESTED CORRECTION | SERIAL NUMBER: 09/889344

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5____ Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7____ Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____ Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11____ Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n — n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

Raw Sequence Listing Error Summary .

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 09/889,344 A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____ Wrapped Nucleics / Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____ Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____ Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4____ Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5____ Variable Length — Sequence(s)____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____ PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7____ Skipped Sequences (OLD RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____ Skipped Sequences (NEW RULES) — Sequence(s) ____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____ Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____ Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11____ Use of <220> — Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____ PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function f PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated n raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING DATE: 07/22/2002
PATENT APPLICATION: US/09/889,344A TIME: 10:40:33

Input Set : A:\USSEQLIST2.txt
Output Set: N:\CRF3\07222002\I889344A.raw

```
      4 <110> APPLICANT: CHEN, WENFANG
      5       MEEK, THOMAS D.
      6       POWELL, DAVID J.
      7       TEW, DAVID G.
     10 <120> TITLE OF INVENTION: Method of Site Specific Labeling of Proteins and Uses
     11       Therefor
     14 <130> FILE REFERENCE: P50892
     16 <140> CURRENT APPLICATION NUMBER: 09/889,344A
     17 <141> CURRENT FILING DATE: 2001-07-16
     19 <150> PRIOR APPLICATION NUMBER: PCT/US00/01481
     20 <151> PRIOR FILING DATE: 2000-01-20
     22 <150> PRIOR APPLICATION NUMBER: US 60/117,327
     23 <151> PRIOR FILING DATE: 1999-01-22
     25 <160> NUMBER OF SEQ ID NOS: 16
     27 <170> SOFTWARE: FastSEQ for Windows Version 3.0
     29 <210> SEQ ID NO: 1
     30 <211> LENGTH: 5
     31 <212> TYPE: PRT
     32 <213> ORGANISM: Artificial Sequence
     34 <220> FEATURE:
     35 <221> NAME/KEY: unsure
     36 <222> LOCATION: (5)
     37 <223> OTHER INFORMATION: Where Xaa at position (5) can represent Leucine or Isoleucine
     39 <400> SEQUENCE: 1
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     41   1               5
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     44 <211> LENGTH: 207
     45 <212> TYPE: PRT
     46 <213> ORGANISM: Artificial Sequence
     48 <220> FEATURE:
     49 <221> NAME/KEY: unsure
     50 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
     51 <222> LOCATION: (16)(17)(18)(19)(20)(21)(22)(23)(24)(25)(26)(27)(28)
W--> 52 <222> (29)(30)(31)(32)(33)(34)(35)(36)(37)(38)(39)(40)(41)
W--> 53 <222> (42)(43)(44)(45)(46)(47)(48)(49)(50)(51)(52)(53)(54)
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W--> 60 <222> (132)(133)(134)(135)(136)(137)(138)(139)(140)(141)(142)
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See Item # 11 on ERROR SUMMARY SHEET

RAW SEQUENCE LISTING DATE: 07/22/2002
PATENT APPLICATION: US/09/889,344A TIME: 10:40:33

Input Set : A:\USSEQLIST2.txt
Output Set: N:\CRF3\07222002\I889344A.raw

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W--> 64 <222> (176)(177)(178)(179)(180)(181)(182)(183)(184)(185)(186)
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W--> 66 <222> (198)(199)(200)(201)(202)(203)(204)(205)(206)(207)
67 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty naturally
68 <223> OTHER INFORMATION: occurring amino acids
W--> 70 <400> 2
W--> 71 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
72 1 5 10 15
W--> 73 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
74 20 25 30
W--> 75 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
76 35 40 45
W--> 77 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
78 50 55 60
W--> 79 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
80 65 70 75 80
W--> 81 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
82 85 90 95
W--> 83 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
84 100 105 110
W--> 85 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
86 115 120 125
W--> 87 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
88 130 135 140
W--> 89 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
90 145 150 155 160
W--> 91 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
92 165 170 175
W--> 93 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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96 195 200 205
98 <210> SEQ ID NO: 3
99 <211> LENGTH: 207
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <221> NAME/KEY: unsure
105 <222> LOCATION: (1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)
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W--> 111 <222> (81)(82)(83)(84)(85)(86)(87)(88)(89)(90)(91)(92)(93)
W--> 112 <222> (94)(95)(96)(97)(98)(99)(100)(101)(106)(107)(108)(109)

See item #11 on ERROR SUMMARY SHEET

RAW SEQUENCE LISTING DATE: 07/22/2002
PATENT APPLICATION: US/09/889,344A TIME: 10:40:33

Input Set : A:\USSEQLIST2.txt
Output Set: N:\CRF3\07222002\I889344A.raw

W--> 113 <222> (110)(111)(112)(113)(114)(115)(116)(117)(118)(119)(120)
W--> 114 <222> (121)(122)(123)(124)(125)(126)(127)(128)(129)(130)(131)
W--> 115 <222> (132)(133)(134)(135)(136)(137)(138)(139)(140)(141)(142)
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W--> 117 <222> (154)(155)(156)(157)(158)(159)(160)(161)(162)(163)(164)
W--> 118 <222> (165)(166)(167)(168)(169)(170)(171)(172)(173)(174)(175)
W--> 119 <222> (176)(177)(178)(179)(180)(181)(182)(183)(184)(185)(186)
W--> 120 <222> (187)(188)(189)(190)(191)(192)(193)(194)(195)(196)(197)
W--> 121 <222> (198)(199)(200)(201)(202)(203)(204)(205)(206)(207)
122 <223> OTHER INFORMATION: Where Xaa can represent none or any one of the twenty naturally
123 <223> OTHER INFORMATION: occurring amino acids
W--> 125 <400> 3
W--> 126 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
127 1 5 10 15
W--> 128 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
129 20 25 30
W--> 130 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
131 35 40 45
W--> 132 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
133 50 55 60
W--> 134 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
135 65 70 75 80
W--> 136 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
137 85 90 95
W--> 138 Xaa Xaa Xaa Xaa Xaa Gln Ser Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa
139 100 105 110
W--> 140 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
141 115 120 125
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143 130 135 140
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145 145 150 155 160
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147 165 170 175
W--> 148 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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151 195 200 205
153 <210> SEQ ID NO: 4
154 <211> LENGTH: 10
155 <212> TYPE: PRT
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Derivative of a factor XIII substrate
161 <400> SEQUENCE: 4
162 Leu Ser Leu Ser Gln Ser Lys Val Leu Gly
163 1 5 10
165 <210> SEQ ID NO: 5
166 <211> LENGTH: 10

RAW SEQUENCE LISTING DATE: 07/22/2002
PATENT APPLICATION: US/09/889,344A TIME: 10:40:33

Input Set : A:\USSEQLIST2.txt
Output Set: N:\CRF3\07222002\I889344A.raw

<210> SEQ ID NO: 5
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<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Derivative of a factor XIII substrate
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1 5 10

<210> SEQ ID NO: 6
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<212> TYPE: PRT
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<223> OTHER INFORMATION: Derivative of a factor XIII substrate
<400> SEQUENCE: 6
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1 5 10

<210> SEQ ID NO: 7
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<212> TYPE: DNA
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
<400> SEQUENCE: 7
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actatcgaag aacgcgttaa g 81

<210> SEQ ID NO: 8
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<212> TYPE: DNA
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
<400> SEQUENCE: 8
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<210> SEQ ID NO: 9
<211> LENGTH: 14
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<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Derivative of a factor XIII substrate
<400> SEQUENCE: 9
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1 5 10

<210> SEQ ID NO: 10
<211> LENGTH: 37
<212> TYPE: DNA
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
<400> SEQUENCE: 10

RAW SEQUENCE LISTING DATE: 07/22/2002
PATENT APPLICATION: US/09/889,344A TIME: 10:40:33

Input Set : A:\USSEQLIST2.txt
Output Set: N:\CRF3\07222002\I889344A.raw

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233  tgtacctcag accatatgag cactatcgaa gaacgcg                              37
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 78
237 <212> TYPE: DNA
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag
243 <400> SEQUENCE: 11
244  tgatgtcagt caagcttacg gacccggcag aactttggac tgggacaggg acagcgcctg      60
245  gtggccgttg atgtaatc                                                   78
247 <210> SEQ ID NO: 12
248 <211> LENGTH: 12
249 <212> TYPE: PRT
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Derivative of E. coli ACP protein
255 <400> SEQUENCE: 12
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257   1               5                  10
259 <210> SEQ ID NO: 13
260 <211> LENGTH: 92
261 <212> TYPE: DNA
262 <213> ORGANISM: Unknown
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
266       Streptococcus haemophilus FabH gene
268 <400> SEQUENCE: 13
269  tatcatatga gcctgtccct gtcccagtcc aaagttctgc cgggtccggg taccctcgag      60
270  ggatccgctt ttgcaaaaat aagtcaggtt gc                                   92
272 <210> SEQ ID NO: 14
273 <211> LENGTH: 53
274 <212> TYPE: DNA
275 <213> ORGANISM: Unknown
277 <220> FEATURE:
278 <223> OTHER INFORMATION: Oligonucleotide designed to introduce Q tag into
279       Streptococcus haemophilus FabH gene
281 <400> SEQUENCE: 14
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284 <210> SEQ ID NO: 15
285 <211> LENGTH: 364
286 <212> TYPE: PRT
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Modified sequence of Streptococus haemophilus FabH
292 <400> SEQUENCE: 15
293  Met Gly His His His His His His His His His His Ser Ser Gly His
294   1               5                  10                  15
295  Ile Glu Gly Arg His Met Ser Leu Ser Leu Ser Gln Ser Lys Val Leu
296              20                  25                  30
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/22/2002
PATENT APPLICATION: **US/09/889,344A** TIME: 10:40:34

Input Set : **A:\USSEQLIST2.txt**
Output Set: **N:\CRF3\07222002\I889344A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5
Seq#:2; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:2; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:2; Xaa Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60
Seq#:2; Xaa Pos. 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79
Seq#:2; Xaa Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98
Seq#:2; Xaa Pos. 99,100,101,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:2; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:2; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,144,145
Seq#:2; Xaa Pos. 146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:2; Xaa Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173
Seq#:2; Xaa Pos. 174,175,176,177,178,179,180,181,182,183,184,185,186,187
Seq#:2; Xaa Pos. 188,189,190,191,192,193,194,195,196,197,198,199,200,201
Seq#:2; Xaa Pos. 202,203,204,205,206,207
Seq#:3; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22
Seq#:3; Xaa Pos. 23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:3; Xaa Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60
Seq#:3; Xaa Pos. 61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79
Seq#:3; Xaa Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98
Seq#:3; Xaa Pos. 99,100,101,106,107,108,109,110,111,112,113,114,115,116,117
Seq#:3; Xaa Pos. 118,119,120,121,122,123,124,125,126,127,128,129,130,131
Seq#:3; Xaa Pos. 132,133,134,135,136,137,138,139,140,141,142,143,144,145
Seq#:3; Xaa Pos. 146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:3; Xaa Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173
Seq#:3; Xaa Pos. 174,175,176,177,178,179,180,181,182,183,184,185,186,187
Seq#:3; Xaa Pos. 188,189,190,191,192,193,194,195,196,197,198,199,200,201
Seq#:3; Xaa Pos. 202,203,204,205,206,207

VERIFICATION SUMMARY DATE: 07/22/2002
PATENT APPLICATION: **US/09/889,344A** TIME: 10:40:34

Input Set : **A:\USSEQLIST2.txt**
Output Set: **N:\CRF3\07222002\I889344A.raw**

L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:52 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:53 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:54 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:55 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:56 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:57 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:58 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:59 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:60 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:61 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:62 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:63 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:64 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:65 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:66 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:70 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:32
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:64
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:80
L:83 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:96
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:112
L:87 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:128
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:144
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:160
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:176
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:107 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:108 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:109 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:110 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:111 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:112 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:113 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:114 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:115 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:116 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:117 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:118 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:119 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:120 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:121 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:125 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16

VERIFICATION SUMMARY DATE: 07/22/2002
PATENT APPLICATION: **US/09/889,344A** TIME: 10:40:34

Input Set : **A:\USSEQLIST2.txt**
Output Set: **N:\CRF3\07222002\I889344A.raw**

L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:32
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:48
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:64
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:80
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:112
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:128
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:144
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:160
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:176
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:192